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Mauna Loa Solar Observatory Observer's Log  
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Tue Feb 15 17:38:10 GMT 2022

Year: 22 Doy: 046

Observer: mcotter

WEATHER COMMENT: mcotter: Tue Feb 15 17:40:19 GMT 2022

Temp: 31.9f, Humidity: 23%, Pressure: 28.958in, Wind: 4mph from 120degs, Skies: Clear skies in all directions, though there is a slight haze in the air. Inversion layer visible well below Haleakala.

Cold with lots of ice all around the science center.

\_\_\_end\_\_\_

GENERAL COMMENT BY mcotter: Tue Feb 15 17:40:26 GMT 2022

Opened windows upstairs

\_\_\_end\_\_\_

GENERAL COMMENT BY mcotter: Tue Feb 15 17:40:39 GMT 2022

PM Blew off UCOMP 01

\_\_\_end\_\_\_

GENERAL COMMENT BY mcotter: Tue Feb 15 17:40:46 GMT 2022

PM Blew off Kcor 01

\_\_\_end\_\_\_

Tue Feb 15 17:45:43 GMT 2022 Running UCOMP Cookbook dark\_80ms\_2beam\_16sums\_BOTH.cbk line 0

UCOMP COMMENT BY mcotter: Tue Feb 15 17:46:56 GMT 2022

Ucomp instrument now running.

\_\_\_end\_\_\_

Tue Feb 15 17:47:00 GMT 2022 Running UCOMP Cookbook 530\_Scan.cbk line 0

Tue Feb 15 17:49:11 GMT 2022 Running UCOMP Cookbook 637\_Scan.cbk line 0

Tue Feb 15 17:51:00 GMT 2022 Running UCOMP Cookbook 691\_Scan.cbk line 0

Tue Feb 15 17:52:49 GMT 2022 Running UCOMP Cookbook 706\_Scan.cbk line 0

Tue Feb 15 17:53:14 GMT 2022 Kcor Focus/alignment program exited

Tue Feb 15 17:54:39 GMT 2022 Running UCOMP Cookbook 789\_Scan.cbk line 0

Tue Feb 15 17:56:28 GMT 2022 Running UCOMP Cookbook 1074\_Scan.cbk line 0

KCOR COMMENT BY mcotter: Tue Feb 15 17:57:09 GMT 2022

The Kcor instrument is now running.

The skies are a little bright but the synoptic images look good.

Polarization checked good: Mid, Bright, Dark, Mid.

The threshold level was changed from 15000 to 10000.

\_\_\_end\_\_\_

Tue Feb 15 17:58:18 GMT 2022 Running UCOMP Cookbook 1079\_Scan.cbk line 0

Tue Feb 15 18:00:07 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal\_flat.cbk line 0

Tue Feb 15 18:47:50 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 0

\*\*\*\*Possible CME in Progress mcotter\*\*\*\* : Tue Feb 15 18:48:22 GMT 2022

Observers report with high confidence a CME seeing launching near PA 300 deg, with a minimum width of 10 deg, at UT time 18:06:12.

This event is just beginning. Additional alerts may be sent out as more information becomes available.

\_\_\_end\_\_\_

Tue Feb 15 21:26:14 GMT 2022 UCOMP Paused for clouds

Tue Feb 15 21:27:33 GMT 2022 UCOMP Restarted from pause

Tue Feb 15 21:32:42 GMT 2022 Running UCOMP Cookbook all\_wavelength\_coronal.cbk line 34

Tue Feb 15 21:34:05 GMT 2022 UCOMP Paused for clouds

WEATHER COMMENT: mcotter: Tue Feb 15 22:39:22 GMT 2022

Clouds began to come in from the northeast at approximately 11:20am, with additional clouds forming and dissipating above the observatory and in the general vicinity of the viewing area. I tried pausing and then restarting the instruments during periods of blue sky but the clouds became too numerous and I had to stop observing until conditions improved.

\_\_\_end\_\_\_

KCOR COMMENT BY mcotter: Tue Feb 15 22:39:55 GMT 2022

Kcor was stopped due to sky conditions.

\_\_\_end\_\_\_

UCOMP COMMENT BY mcotter: Tue Feb 15 22:40:19 GMT 2022

Ucomp has been paused due to sky conditions.

\_\_\_end\_\_\_

KCOR COMMENT BY mcotter: Tue Feb 15 22:52:59 GMT 2022

This morning when I spoke to Ben regarding the rotation of the Kcor 01 lens that we did yesterday he thought that the rotation was in the wrong direction; we had rotated the lens approximately -45 deg (counter clockwise). Ben told me that the lens should be rotated to it's original position, then an additional +45 deg. (clockwise). At the very beginning of the day a CME was observed launching so I waited before removing the Kcor 01 lens and rotating it as described. Sky conditions became poor at approximately 11:30am HST, so both instrument were stopped. During this period I removed the Kcor 01 lens, rotated it + 90 deg then reinstalled. Sky conditions are still poor, so we are unable to observe with the Kcor instrument at this time and confirm that the adjustment had the desired effect that Ben is looking to accomplish.

\_\_\_\_end\_\_\_\_

WEATHER COMMENT: mcotter: Wed Feb 16 00:10:35 GMT 2022

Temp: 38.5f, Humidity: 82%, Pressure: 28.782in, Wind: 7mph from 304degs, Skies: The sky has grown more overcast with gray clouds and a light mist periodically blowing through

\_\_\_\_end\_\_\_\_

Wed Feb 16 02:12:52 GMT 2022 UCoMP Restarted from pause

WEATHER COMMENT: mcotter: Wed Feb 16 02:14:58 GMT 2022

The sky is now totally overcast with a light rain mixed with sleet falling.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Wed Feb 16 02:15:42 GMT 2022

The day started out good then clouds came into the viewing area in the late morning.

\_\_\_\_end\_\_\_\_

ONSITE STAFF: